

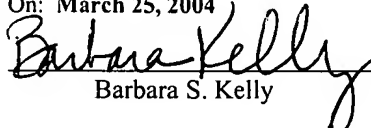


1A-018-CIP

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

2631  
#8

|            |   |   |  |
|------------|---|---|--|
| Applicant  | : | Brian Banister  | <p>I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p>On: March 25, 2004<br/><br/>Barbara S. Kelly</p> |
| App. No.   | : | 10/080,728  |  |
| Filed      | : | February 22, 2002   |  |
| For        | : | METHOD AND APPARATUS<br>FOR IMPROVING TRANSMIT<br>ANTENNA WEIGHT TRACKING<br>USING CHANNEL<br>CORRELATIONS IN A<br>WIRELESS COMMUNICATION<br>SYSTEM |  |
| Group Art: | : | 2631  |  |
| Examiner:  | : | Unknown   |  |

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

RECEIVED

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Commissioner for Patents  
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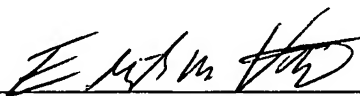
Technology Center 2600

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the subject application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

- (X) No additional fee is due because this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits of the above-identified application, in accordance with 37 CFR §1.97(b).
- (XX) Copies of each of the references listed on the attached modified Form PTO-1449 are enclosed herewith. All of the listed references are in the English language.

Respectfully submitted,

Date: March 25, 2004

  
Signature Erik M. Vieira  
Registration No. 53,723

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[illegible]

| EXAMINER<br>INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)  |
|---------------------|---|
|                     | Banister, et al. "Tracking Performance of a Stochastic Gradient Algorithm for Transmit Antenna Weight Adaptation with Feedback", IEEE, published May 2001, pp. 2965-2968. |
|                     | Liang, et al., "Transmit Antenna Array Techniques for Cellular CDMA Systems", IEEE, published September 1998, pp. 1396-1400.  |
|                     | Liang, et al., "Forward Link Antenna Diversity Using Feedback for Indoor Communication Systems", IEEE, published May 1995, pp. 1753-1755.                                 |
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|---|-----------------|
| EXAMINER  | DATE CONSIDERED |
| <p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p> |                 |